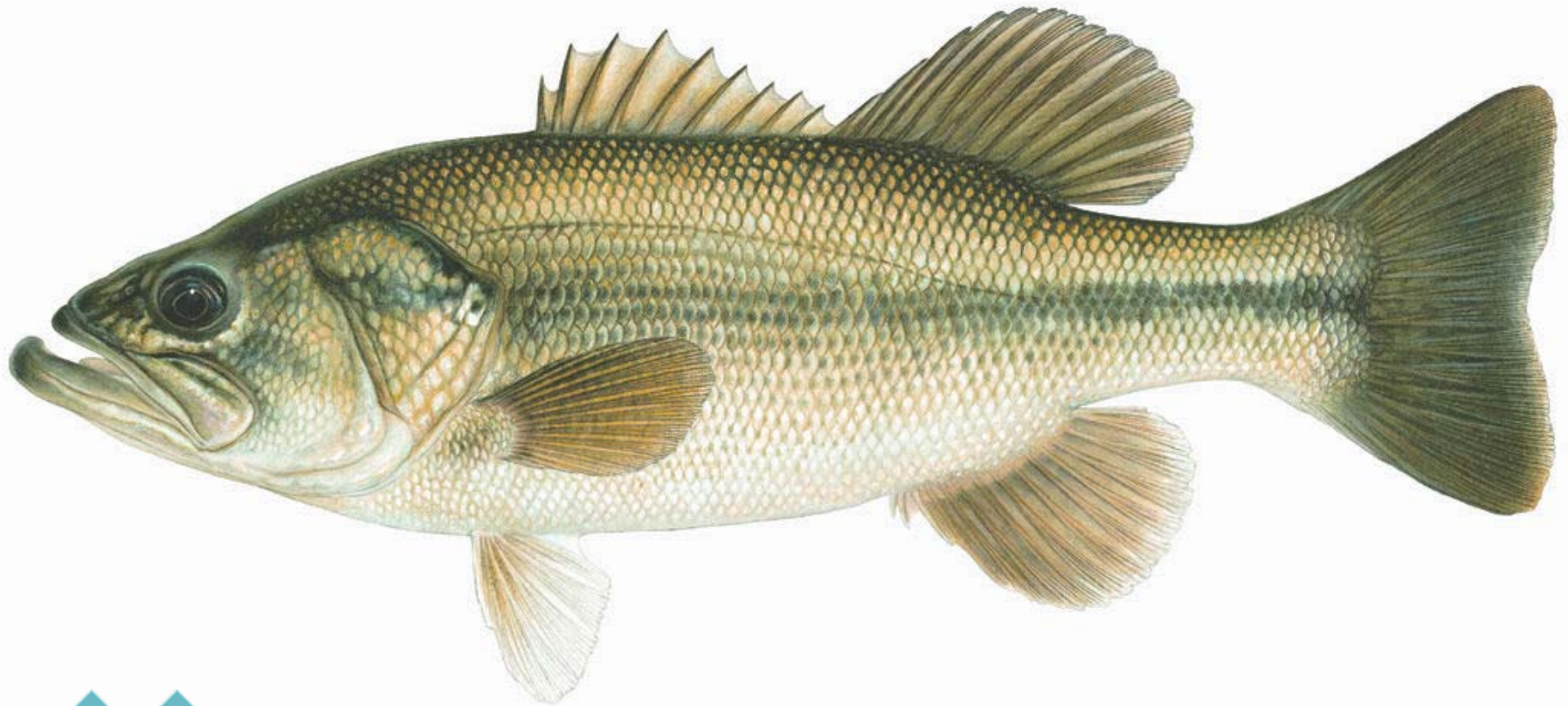


Boundary and Annexation Survey (BAS)



February 26, 2008



Topics Covered

- **Introductions**
- **Overview**
- **Annexation comparison**
- **BAS form**
- **BAS maps**
- **Feature changes**
- **Other issues**
- **Wrap up**





Overview

- Purpose
- State arrangements
- Legal disputes
- Time commitment





Key Dates



- **120 days**
- **April 1, 2008**
 - Changes reflected in Population Estimates Program and American Community Survey.
- **May 31, 2008**
 - Changes included in BAS 2009.





Requirements

- Completed realignment process for the MTAIP **(Done)**.
- Able to edit Census Bureau shapefile.
- Provide contact information.
- Provide legal documentation numbers and effective dates.





MTAIP

- Completed MTAIP process.
- Improving street features and boundaries in MAF/TIGER.
- Min. accuracy req't of 7.6 meters for improving location of streets in MAF/TIGER.





BAS Form

[illegible]

USCENSUSBUREAU



Submitting Electronic Files

- **CD or DVD for LUCA/BAS because of Title 13 and send to Denver RO**
- **U.S. Census Bureau
6900 W. Jefferson Ave.
Denver, CO 80235
ATTN: BAS/LUCA**





Annexation Comparison

- County Elections Department annexation file
- MAG annexation file
- All annexations submitted by member agencies





Shapefiles

- **Minimum updates**
 - Incorporated Places
 - Edges
- **Optional updates**
 - Area landmarks
 - Point landmarks
 - Hydro areas





Updating BAS Shapefiles

- **Copy from CD to local workspace**
 - Consider using file geodatabase
 - You may work in local coordinate system
 - Create empty feature classes for
 - Change polygons (separate ones for annexations, landmarks, etc.)
 - Change edges





Editing Workflow

- **Census' suggested editing workflow:**
 - Add linear features
 - Construct polygon features from lines
 - Export change shapefiles





Boundary-to-Feature Relationships

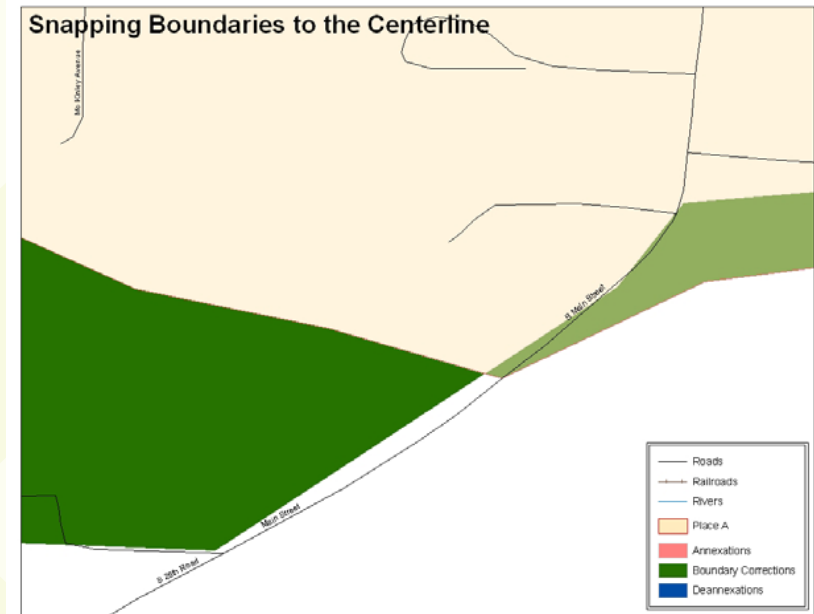
- **All annexations must be bounded by some type of edge**
 - Hydro
 - Railroads
 - Roads
 - Non-visible features





Oh, SNAP!

- Gaps of 30 feet or less will be snapped to nearest linear feature by Census Bureau





Very small corrections

- Small boundary corrections will not be accepted





Large corrections

- **Will be accepted as long as you provide**
 - Legal documentation
 - Effective dates





Metadata

- **Census Bureau requires minimum FGDC metadata on your change shapefile submissions**





Submitting Changes

- Zipped change shapefiles
- Naming conventions described in BAS handbook
- Census FTP:
 - <http://www2.census.gov/cgi-bin/sendfile>





Boundary Changes, Part 1

- **Change types are noted in the CHNG_TYPE field**
- **Change types**
 - Annexations (A)
 - De-annexations (D)





Boundary Changes, Part 2

- Change types are noted in the **CHNG_TYPE** field
- Change types
 - Boundary corrections (B)
 - Boundary correction relationship noted in the **RELATE** field
 - Add area (IN)
 - Remove area (OUT)





Boundary Changes, Part 3

- **Change types are noted in the CHNG_TYPE field**
- **Change types**
 - Geographic corridor (C)
 - Only right-of-ways annexed
 - Geographic offset (F)
 - Right-of-ways excluded from annexation





Boundary Changes, Part 4

- Change types are noted in the CHNG_TYPE field
- Change types
 - New incorporations (E)
- **Don't worry about this one unless you are the County**





Edge Changes

- **Change types are noted in the CHNG_TYPE field**
- **Change types**
 - AL – Add
 - DL – Delete
 - CA – Rename, Recode, or Address range change





Edge Changes

- **Census will accept edge changes for**
 - Feature boundaries
 - Lines independent of polygon features
 - i.e. new roads





Address Breaks

- If you split a road line, you have to update the address ranges
 - LTOADD, RTOADD, LFROMADD, RFROMADD





Questions



- Questions or concerns directed to:

geo.bas@census.gov

1-800-972-5651

or



Heidi Pahl hpahl@mag.maricopa.gov

Jason Howard jhoward@mag.maricopa.gov

602-254-6300